

Patent Claims

1. Deep frying appliance for the 'floating' frying of portions of food and luxury foodstuffs, consisting of a deep frying drum and a feed device, which are connected to one another for the conveyance of the portions by means of a feed pipe, characterised in that the feed device 12 has a housing 15 with a tubular, stationary storage container 16 accommodated in the housing 15, a rotatable feed wheel 17 working in conjunction with the storage container 16 at one end, forming an annular gap 44 with the storage container 16, the housing 15 with the feed wheel 17 accommodated therein forming an annular space 30 in which pushing elements 47 of the feed wheel 17 pass over a discharge opening 48 in the floor 18 of the housing 15, rotatably movable by means of a shaft 32, whereby the duration of the rotation is determined by scales 50 located in the feed pipe 13 between the feed device 12 and the deep frying drum 11.
2. Appliance in accordance with claim 1, characterised in that the scales 50 are connected to an electric motor 42 which drives the feed wheel 17 by means of a shaft, and give signals.
3. Appliance in accordance with claim 1 or 2, characterised in that the storage container 16 in the housing 15 can be adjusted axially to the housing.
4. Appliance in accordance with claim 3, characterised in that, for adjusting the storage container, at least three excentrics are provided, positioned equidistantly around the storage container 16, connected to the storage container 16 and the housing 15.
5. Appliance in accordance with any of the claims 1 to 4, characterised in that the housing 15 has cooling devices.

6. Appliance in accordance with any of the claims 1 to 5, characterised in that the feed wheel 17 has a feed cone 38 and a pushing wheel 39 connected to the feed cone 38, with pushing elements 47 projecting radially from the pushing wheel 39.
7. Appliance in accordance with claim 6, characterised in that the feed cone 38, leaves an annular gap 44 in the storage container 16 between the cladding surface 43 of the feed cone 38 and the circumference wall 22 of the storage container 16.
8. Appliance in accordance with claim 7, characterised in that a front side of the circumference wall 22 of the storage container 16 can be brought into contact with the cladding surface 43 of the feed cone 38.
9. Appliance in accordance with any of the claims 1 to 8, characterised in that the cladding surface 43 has at least 3 ribs 45 which extend radially, and spaced equally from one another.